



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: issue No.:

Status:

Date of Issue: **2015-07-23** Page 1 of 3

Applicant: **Rockwell Automation/Allen Bradley**
1201 S. 2nd Street
Milwaukee, WI 53204
United States of America

Electrical Apparatus: **Programmable Logic Controllers**
Optional accessory:

Type of Protection: **Non-Sparking "nA"**

Marking: Ex nA IIC T4 Gc
Modules 1715 AENTR: -25°C to +60°C
All other modules: -25°C to +70°C

*Approved for issue on behalf of the IECEx
Certification Body:*

Paul T. Kelly

Position:

Principal Engineer, Global Hazardous Locations

*Signature:
(for printed version)*

Date:

2015-07-23

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

UL LLC
333 Pfingsten Road
Northbrook IL 60062-2096
United States of America



AB Drives



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Manufacturer: **Rockwell Automation Ltd.**
Hall Road
Maldon, CM9 4LA
United Kingdom

Additional Manufacturing location
(s):

**Oncore de Mexico S.A de
C.V**
Blvd Hector Teran Teran
#20120
Nave 7, Parque Industrial
Prologis
Mesa de Otay, Tijuana, B.C.
22444
Mexico

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2011 Explosive atmospheres - Part 0: General requirements
Edition: 6.0

IEC 60079-15 : 2010 Explosive atmospheres - Part 15: Equipment protection by type of protection "n"
Edition: 4

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:
[US/UL/ExTR15.0038/00](#)

Quality Assessment Report:

[DK/ULD/QAR10.0001/02](#)

[US/ETL/QAR12.0005/01](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

These devices are low-power, open-type programmable logic controllers that are intended for installation in an ultimate enclosure.

Please see Annex for additional details.

CONDITIONS OF CERTIFICATION: YES as shown below:

See Annex for details.

AB Drives

Annex to IECEx UL 15.0032X

The 1715 Programmable Logic Controller Series consist of the following modules:

Model	Description	Backplane Ratings		Input/Output Ratings
		Voltage (Vdc)	Current (mA)	
1715-A2A	Dual Processor Backplane	18-32	10.4A (400mA per slot)	-
1715-A3IO	I/O Backplane	18-32	9.6A (400mA per slot)	-
1715 AENTR	Processor Module	18-32	380	-
1715-IB16D	Digital Input Module, 16 Channel	18-32	260	Input: 0-32Vdc @ 6.5 mA
1715-IF16	Analog Input Module, 16 Channel	18-32	260	Input: 18-32Vdc @ 24 mA
1715-OF8I	Analog Output Module, 8 Channel	18-32	260	Output: 18-32Vdc/0-20mA
1715-OB8DE	Digital Output Module	18-32	165	Output: 18-32Vdc @0.5A, Pilot Duty 16VA, 1.5A Inrush
1715-TASIB16D	Termination Assembly – 16 Channel Simplex Digital Input TA	0-32	6.5	-
1715-TADIB16D	Termination Assembly – 16 Channel Dual Digital Input TA	0-32	6.5	-
1715-TASIF16	Termination Assembly – 16 Channel Simplex Analog Input	18-32	0-24	-
1715-TADIF16	Termination Assembly – 16 Channel Dual Analogue Input	18-32	0-24	-
1715-TASOB8DE	Termination Assembly – 8 Channel Simplex Digital Output	18-32	500	-
1715-TADOB8DE	Termination Assembly – 8 Channel Dual Digital Output	18-32	500	-
1715-TASOF8	Termination Assembly – 8 Channel Simplex Analog Output	18-32	0-24	-
1715-TADOF8	Termination Assembly – 8 Channel Dual Analog Output	18-32	0-24	-

Model 1715-A2A Dual Processor Backplane is for use with Model 1715-AENTR Processor. Model 1715-A3IO I/O Backplane is for use with all other Models. Subject devices are all marked Ex nA IIC T4 Gc.

Conditions of Certification:

Model 1715-AENTR: The ambient temperature range is -25 °C to +60 °C.

All other Models: The ambient temperature range is -25 °C to +70 °C.

Subject devices are to be installed in an IECEx Certified, IP54, tool accessible enclosure that has been evaluated to the requirements of IEC 60079-0 Ed. 6 and IEC 60079-15 Ed. 4. Enclosure is to be marked with the following: "Warning - Do not open when energized". After installation of subject devices into the enclosure, access to termination compartments shall be dimensioned so that conductors can be readily connected. Subject devices are for use in an area of not more than pollution degree 2 in accordance with IEC 60664-1.

Grounding conductor should have a minimum cross sectional area of 3.31 mm².

Subject devices are to use conductors with a minimum conductor temperature rating of 85°C.

Subject devices are to be installed in the vertical orientation only.